

AD_____

Award Number: MIPR OEC5DRM0077

TITLE: Oncology Outreach Evaluation

PRINCIPAL INVESTIGATOR: Brian Goldsmith

CONTRACTING ORGANIZATION: Walter Reed Army Medical Center
Washington, DC 20307-5001

REPORT DATE: October 2001

TYPE OF REPORT: Final

PREPARED FOR: U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT: Approved for Public Release;
Distribution Unlimited

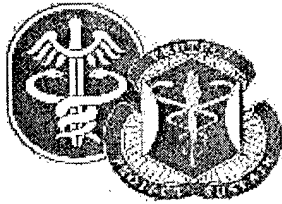
The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision unless so designated by other documentation.

20011029 044

REPORT DOCUMENTATION PAGEForm Approved
OMB No. 074-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503

| | | | | |
|--|---|--|--|--|
| 1. AGENCY USE ONLY (Leave blank) | | 2. REPORT DATE October 2001 | 3. REPORT TYPE AND DATES COVERED Final (15 Feb 00 - 30 Sep 01) | |
| 4. TITLE AND SUBTITLE Oncology Outreach Evaluation | | | 5. FUNDING NUMBERS MIPR 0EC5DRM0077 | |
| 6. AUTHOR(S) Brian Goldsmith | | | | |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Walter Reed Army Medical Center Washington, DC 20307-5001 E-Mail: | | | 8. PERFORMING ORGANIZATION REPORT NUMBER | |
| 9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012 | | | 10. SPONSORING / MONITORING AGENCY REPORT NUMBER | |
| 11. SUPPLEMENTARY NOTES | | | | |
| 12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited | | | | 12b. DISTRIBUTION CODE |
| 13. ABSTRACT (Maximum 200 Words) | | | | |
| 14. SUBJECT TERMS | | | | 15. NUMBER OF PAGES 6 |
| | | | | 16. PRICE CODE |
| 17. SECURITY CLASSIFICATION OF REPORT Unclassified | 18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified | 19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified | | 20. LIMITATION OF ABSTRACT Unlimited |



DHP RFS Final Report



**Oncology Outreach Evaluation
Proposal Number: 1999000255**

Brian John Goldsmith M.D.

Abstract

Problems

Shortly after the project was funded, the initial principle investigator (PI) left the military. There was a delay in locating a replacement PI.

There was limited information available on the ITB system and its operation that required a combined clinical/technical team to go to TAMC to interview the developers of the system and see how the system was used. Upon arriving at TAMC, the team found that the contractor programmer no longer worked for TAMC and there was no technical documentation to describe how the system was developed. Several detailed interview revealed that the system required two separate Web/database servers along with their respective software and support.

Further interviews revealed that the system required a full- time system administrator to manually process and prepare slide presentations for the actual tumor board members to view. This additional FTE requirement added approximately \$120,000 to the yearly operation of the project, which was unacceptable for our application. As a result, the project objectives were modified and a video tumor board resulted.

With the long-term goal of implementing a cost effective and deployable Internet Tumor Board, this project is developing a new Web-based ITB that models the success of the Teledermatology system deployed throughout the AMEDD. The new ITB is signed to utilize 14 main reusable modules that will not only facilitate the creation of this product, but will minimize the development costs of future Web-based clinical telemedicine systems.

Deliverables

With the initial project objectives modified and approved by TATRC, a video tumor board was implemented with the WRAMC Surgery Department hosting the board in the Department of Radiology. Clinicians from West Point and Landstuhl Germany both submitted cases and participated in the board for Continuing Medical Education (CME) credit.

The development of the modular Web-based Internet Tumor Board has begun with extensive systems analysis performed. An independent contractor (Venca) is hired to write the code. Once the system is complete it will not only run the ITB product be also support other Web-based clinical telemedicine applications.

Expenditures

| | 3Q FY 00 | 4Q FY 00 | 1Q FY 01 | 2Q FY 01 | |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|------------|
| Element of Resource (EOR) | Apr 1 - May 31 | Jun 1 - Sep 30 | Oct 1 - Dec 31 | Jan 1 - Mar 31 | TOTALS |
| Travel 2100 | 10,000.00 | 0.00 | 4,000.00 | 2,000.00 | 16,000.00 |
| | | | | | |
| Shipping 2200 | 2,000.00 | 0.00 | 0.00 | 0.00 | 2,000.00 |
| | | | | | |
| Rent & Communications 2200 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | |
| Contract for Services 2500 | 20,000.00 | 0.00 | 60,000.00 | 125,000.00 | 235,000.00 |
| | | | | | |
| Supplies 2600 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | |
| Equipment 3100 | 150,000.00 | 0.00 | 17,190.00 | 0.00 | 167,190.00 |
| | | | | | |
| GRAND TOTALS | 212,000.00 | 0.00 | 81,190.00 | 127,000.00 | 420,190.00 |

Financials

Personnel: Systems Analyst \$60,000.00 Programmer/Analyst \$125,000.00

Equipment: VTC microscope \$17,190.00

Travel: \$6,000.00 ----- \$218,190.00

Final Results

This project is not complete. However, the interim results as follows:

Patient Seen Via the Video Tumor Board:

2000 2001

West Point (General Surgery) 95 97

Landstuhl (Rad/Onc) 23 10

Projected Costs

Once the modular Web-based Internet Tumor board is complete, it will have very low maintenance cost as the system will part of a larger Consult Management System supporting multiple projects. There will only be one system platform to maintain for many projects, requiring minimum further documentation and modification.

Comments

The same software system designers who designed, created, and implemented the AMEDD wide Teledermatology system will use the same approach to design, create, and implement the new Web-based Internet Tumor Board. Through the use of existing Teledermatology code, the development time for this project should be reduced and yet easily maintainable.

TATRC Scientific Review

TATRC Acquisition Review

Supporting Graphs/Charts

No Attachments